

**POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI**

**Date of Reporting: 1-Jan-17
System Reliability Indices Report for: 31-Dec-16**

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	10	2.50	10.42
2	ER-NR	0	0.00	0.00
3	Import of NR	13	3.25	13.54
4	NEW-SR	4	1.00	4.17
5	NER Import	0	0.00	0.00

Percentage(%) of times (N-1) Criteria was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
4	NEW-SR	0	0.00	0.00
4	NER Import	0	0.00	0.00

Remarks: Flows crossing Total Transfer Capability (TTC) on interregional corridors has been worked out as a proxy for (N-1) violation.

Voltage Profile for the day of 31-Dec-2016

Region	Station	%age of time Voltage below 728/380 kV	%age of time Voltage between 728/380 kV & 800/420 kV	%age of time Voltage above 800/420 kV	Voltage deviation index (%age of time voltage is outside IEGC band)	Maximum Voltage (kV)	Minimum Voltage (kV)	Average Voltage (kV)
NR	Agra	0.00%	100.00%	0.00%	0.00%	793	750	772
	Anpara-C	0.00%	100.00%	0.00%	0.00%	776	753	762
	Ballia	0.00%	100.00%	0.00%	0.00%	792	754	772
	Bhiwani	0.00%	80.49%	19.51%	19.51%	809	766	788
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	758	759
	Fatehpur	0.00%	100.00%	0.00%	0.00%	780	740	759
	Jhatikara	0.00%	80.83%	19.17%	19.17%	809	763	787
	Lucknow	0.00%	82.71%	17.29%	17.29%	805	765	783
	Meerut	0.00%	91.74%	6.46%	6.46%	808	760	786
	Moga	0.00%	100.00%	0.00%	0.00%	799	760	781
Phagi	0.00%	100.00%	0.00%	0.00%	797	753	777	
Unnao	0.00%	100.00%	0.00%	0.00%	777	735	753	
WR	Akola	0.00%	100.00%	0.00%	0.00%	793	744	766
	Aurangabad	0.00%	99.51%	0.49%	0.49%	801	756	778
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	791	752	771
	Bilaspur	0.00%	100.00%	0.00%	0.00%	774	754	765
	Bina	0.00%	100.00%	0.00%	0.00%	792	757	776
	Champa	0.00%	83.19%	8.40%	8.40%	803	783	793
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	794	772	784
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	798	759	775
	Gwalior	0.00%	100.00%	0.00%	0.00%	796	755	777
	Indore	0.00%	100.00%	0.00%	0.00%	791	752	772
	Jabalpur	0.00%	100.00%	0.00%	0.00%	781	781	781
	Koradi	0.00%	100.00%	0.00%	0.00%	782	734	755
	Pune	0.00%	99.51%	0.00%	0.00%	800	746	774
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	799	779	789
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	795	777	783
	Sasan	0.00%	100.00%	0.00%	0.00%	774	753	764
	Satna	0.00%	100.00%	0.00%	0.00%	786	751	771
	Seoni	0.00%	100.00%	0.00%	0.00%	791	757	774
	Sipat	0.00%	100.00%	0.00%	0.00%	772	754	763
	Sholapur	0.00%	97.01%	2.99%	2.99%	808	759	785
Tamnara PS	0.00%	100.00%	0.00%	0.00%	798	779	789	
Tirora	0.00%	100.00%	0.00%	0.00%	773	740	755	
Vadodara	0.00%	100.00%	0.00%	0.00%	796	762	778	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	777	757	768	
Wardha	0.00%	99.93%	0.07%	0.07%	801	766	782	
SR	Nellore PS	0.00%	64.17%	35.83%	35.83%	810	778	796
	Raichur	0.00%	99.03%	0.97%	0.97%	802	765	788
	Kurnool	0.00%	66.11%	33.89%	33.89%	809	773	795
	Thiruvalam	0.00%	25.28%	74.72%	74.72%	818	788	804
ER	Angul	0.00%	79.38%	20.63%	20.63%	804	783	795
	Gaya	0.00%	100.00%	0.00%	0.00%	790	756	771
	Jharsuguda	0.00%	67.36%	32.64%	32.64%	806	785	796
	Ranchi	0.00%	100.00%	0.00%	0.00%	795	768	783
Sasaram	0.00%	100.00%	0.00%	0.00%	769	739	755	
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	413	406	410
	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	420	396	407
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	415	401	407
	Misa (400 kV)	0.00%	95.56%	4.44%	4.44%	423	404	413
	Silchar (400 kV)	0.00%	96.88%	3.13%	3.13%	421	405	414

Remarks: Unless specified, Station may be treated as 765kV S/S.